

COLOR SPACE TRANSFORMATION
WITH BLACK PRESERVATION
FOR OPEN COLOR MANAGEMENT

ABSTRACT OF THE DISCLOSURE

An open color management system allows any of a plurality of input color devices to share data with any of a plurality of output color devices. The color management system includes a networked connection space for input and output device communication, an input color profile for each input device, an output color profile for each output device, and an open color manager which links a given input device with a selected output device. When linking devices, an input color space dataset having black plus multiple color channels is parsed with the input and output color profiles at a job time to create an output color space dataset having black plus multiple color channels for imaging by the output device without degrading color accuracy while preserving black channel information. A method for open color management and an open color manager for use in an open color management system are also provided.